

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

1-20. (canceled)

21. (new) An electropyrotechnic initiator comprising a box (1) of plastic material and a pyrotechnic charge (6), said charge (6) comprising at least one compound, characterized in that the box (1) contains two sub-assemblies:

- a first sub-assembly (2) made in a single part comprising a plastic wall (4) integral with a bottom (5) also made of plastic, having a face (15) and forming a container,

- a second plastic sub-assembly (3) made of plastic having a main axis (10), traversed by at least two pins (11, 12) parallel to said axis (10), said pins (11, 12) being connected together by an electric bridge (13) on a face (14) of said second plastic sub-assembly (3), said face (14) being hollowed symmetrically over a height H and a width L, said sub-assembly (3) forming a base,

- said first (2) and second (3) sub-assemblies being hermetically assembled by ultrasonic welding,

- and wherein, before assembly of sub-assemblies, the internal diameter D_1 of the first sub-assembly (2) is smaller than the external diameter D_2 of the hollowed portion of the

second sub-assembly (3) in the portions of the first and second sub-assemblies which are disposed opposite one another during ultrasonic welding.

22. (new) An initiator according to claim 21, characterized in that the hollowed face (14) of the second sub-assembly (3) has a symmetrical recess (17) with height h and width l to form a raised lump of the electric bridge (13).

23. (new) An initiator according to claim 22, characterized in that, before assembly of said sub-assemblies, the vacuum height h' of the first sub-assembly is smaller than the height $h + H$, of the second sub-assembly, H being the height of the welding heel, h the height of the lump and h' the differential height between the outmost external layer (9) of the pyrotechnic charge (6) after pre-compressing the compounds and said face (15) of the container (2).

24. (new) An initiator according to claim 21, characterized in that the plastic of the first and second sub-assemblies is a material with low regain of humidity.

25. (new) An initiator according to claim 24, characterized in that the plastic is a polyketone.

26. (new) An initiator according to claim 24, characterized in that the plastic is a teraphthalate polybutylene (PBT).

27. (new) An initiator according to claim 24, characterized in that the plastic is a polyamide.

28. (new) An initiator according to claim 27, characterized in that the plastic is the polyamide PA 6.12.

29. (new) An initiator according to claim 21, characterized in that the second sub-assembly (3) is molded over the pins (11, 12).

30. (new) An initiator according to claim 21, characterized in that the pins (11, 12) comprise electrodes.

31. (new) An initiator according to claim 30, characterized in that the electrodes are scored.

32. (new) An initiator according to claim 21, characterized in that a joint formed by said ultrasonic welding (16) is a shear joint.

33. (new) An initiator according to claim 21, characterized in that a joint formed by said ultrasonic welding is a semi shear joint.

34. (new) A method for assembling an electropyrotechnic initiator characterized in that it comprises:

- the production of a first sub-assembly (2) made in a single part comprising a plastic wall (4) integral with a bottom (5) also made of plastic, having a face (15) and forming a container, and of a second sub-assembly (3) made of plastic having a main axis (10), traversed by at least two pins (11, 12) parallel to axis (10), said pins (11, 12) being connected together by an electric bridge (13) on a face (14) of said second plastic sub-assembly (3), said face (14) being hollowed

symmetrically over a height H and a width L, said sub-assembly
(3) forming a base;

- providing said first sub-assembly (2) with a pyrotechnic charge (6) by a dry loading process; and

- assembling by ultrasonic welding said first sub-assembly and said second sub-assembly,

- and in that before assembly of said sub-assemblies, the internal diameter D_1 of the first sub-assembly (2) is smaller than the external diameter D_2 of the hollowed portion of the second sub-assembly (3) in the portions of the first and second assemblies which are disposed opposite one another during ultrasonic welding.

35. (new) A method for assembling an electronic initiator according to claim 34, characterized in that the pyrotechnic charge comprises a primary compound (8) and a secondary compound (7), and pre-compressing each of said compounds (7, 8) of the pyrotechnic charge.

36. (new) A method for assembling an electrotechnic initiator according to claim 25, characterized in that said pre-compressing is reflected with a pressure less than 120 bars for the primary compound (8) and with a pressure greater than 150 bars for the secondary compound (7).

37. (new) An initiator according to claim 22, characterized in that the plastic used to make the first and second sub-assemblies is a material with low regain of humidity.

38. (new) An initiator according to claim 22, characterized in that the second sub-assembly (3) is molded over the pins (11, 12).

39. (new) An initiator according to claim 23, characterized in that the second sub-assembly (3) is molded over the pins (11, 12).

40. (new) An initiator according to claim 24, characterized in that the second sub-assembly (3) is molded over the pins (11, 12).